Appl. No. 09/662,532 Amdt. dated March 30, 2004 Reply to Office Action of Jan. 22, 2004

## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## Listing of Claims:

Claim 1 (currently amended): A method of discovery of 1 devices on a network, which network comprises a plurality of 2 devices, at least some of which are managed, at least one unmanaged phone, and a telephone controller, said method comprising the steps of: establishing an address for each of the managed devices, the telephone controller, and the or 7 each-said one phone so as to define a plurality of addresses, establishing the a type of each managed device in the network, determining which of the remaining devices are 9 phones by accessing the relevant information in the 10 discovered telephone controller by establishing 11 correspondence between the or each said one phone and its 12 address, and using this informationsaid correspondence to 13 provide a display of the topology of the network including 14

- Claim 2 (original): A method as claimed in claim 1 in which
- the telephone controller is accessed to obtain information
- 3 stored in a memory of the telephone controller.
- Claim 3 (original): A method as claimed in claim 1 in which
- said addresses comprise MAC addresses.

the or each said one phone.

- Claim 4 (currently amended): A method as claimed in claim 1
- 2 including the further comprising the step of discovering and



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- displaying the topology of an arrangement wherein a single
- 4 port of a managed device is connected to a phone and a
- further non-phone device.
- Claim 5 (currently amended): A method as claimed in claim 1
- 2 including further comprising the step of converting
- information relating to the devices, the telephone
- 4 controller, and the phones said one phone into a visual
- 5 display on a visual display apparatus representing the a
- 6 physical relationship between among the devices, for the
- telephone controller and the phones said one phone.
- Claim 6 (currently amended): A computer program on a
- computer readable medium loadable into a digital computer or
- 3 embodied in a carrier wave, said computer program comprising
- software for performing the method of claim 1.
- Claim 7 (currently amended): A computer program on a
- 2 computer readable medium or embodied in a carrier wave for
- 3 use in discovery of devices on a network, which network
- 4 comprises a plurality of devices, at least some of which are
- 5 managed, at least one unmanaged phone, and a telephone
- 6 controller, said computer program comprising:
  - program step for establishing an address for the or
- 8 each of the managed device devices;
  - program step for establishing an address for the
- 10 telephone controller;
- program step for establishing an address for the or
- 12 each—said one phone;
- program step for determining which of the remaining
- devices are phones by accessing the relevant information in
- the discovered telephone controller and establishing



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16 correspondence between the or each said phone each of said

17 phones and its address; and

program step for using this information said correspondence to provide a display of the a topology of the network including the or each said one phone.

Claim 8 (original): A program as claimed in claim 7 in which the telephone controller is accessed to obtain information stored in a memory of the telephone controller.

Claim 9 (currently amended): A program as claimed in claim 7 in which said addresses comprise the a MAC address.

Claim 10 (currently amended): A program as claimed in claim 7 including the further comprising the program step of discovering and displaying the topology of an arrangement wherein a single port of a managed device is connected to an Ethernet phone and a further non-phone device.

Claim 11 (currently amended): A program as claimed in claim 7 including the further comprising the program step of converting information relating to the devices, the telephone controller, and the telephones into a visual display on a visual display apparatus representing the a physical relationship between among the devices, the telephone controller and the phones.

Claim 12 (currently amended): A computer program on a computer readable medium or embodied in a carrier wave for use in discovery of devices on a network, which network comprises a plurality of devices, at least one of which is

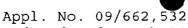
5	managed, at least one unmanaged phone, and a telephone
6	controller, said computer program comprising:
7	a program step to discover the network, including the
8	managed devices, the telephone controller and to establish
9	the MAC addresses of unmanaged phones;
10	a program step to obtain information from the telephone
11	controller containing an association of MAC address(es)
12	addresses to the or each of said phone phones;
13	a program step to find ports of devices with MAC
14	address addresses of said phones; and
15	a program step to determine, in respect of a port on
16	which a MAC address of one of a phone said phones is
17	present, if there is only single MAC address;
18	if yes, a program step to display a phone icon and
19	relevant details connected directly to the port; and
20	if no, a program step to determine if there are
21	two-first and second MAC addresses and if one-the first MAC
22	address is associated is a phone with one of said phones;
23	if yes, a program step to provide a display of a
24	device with the second MAC address connected to the network
25	via an icon of the phone; and
26	if no, a program step to display an unmanaged
27	aggregator display cloud.
1	Claim 13 (original): A computer program embodied in a
2	carrier wave, said computer program comprising software for
3	performing the method of claim 1.
1	Claim 14 (currently amended): A computer network comprising
2	a plurality of devices, at least some of which are managed,
3	at least one unmanaged phone, and $\underline{a}$ telephone controller,

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including: means for establishing an address for  $\underline{\mathsf{each}}$  of the



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managed devices, the telephone controller and the or each said one phone, means for establishing the a type of each managed device in the network, means for determining which of the remaining devices are phones by means for accessing the relevant information in the discovered telephone controller by establishing correspondence between the or each said one phone and its address, and means for using this information said correspondence to provide a display of the topology of the network including the or each said one phone.

Claim 15 (original): A computer network as claimed in

claim 14 in which the telephone controller is accessed to

obtain information stored in a memory of the telephone

4 controller.

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